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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/843,802	04/30/2001	Oscal Tzyh-Chiang Chen	CHEN3196/EM/6756	9979	
7590 03/22/2004			EXAMI	EXAMINER	
BACON & THOMAS, PLLC			MALZAHN, DAVID H		
4th Floor 625 Slaters Lan	e		ART UNIT	PAPER NUMBER	
*	Alexandria, VA 22314-1176				
	• •		DATE MAILED: 03/22/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

ù.a	~A	pre			
•	Application No.	Applicant(s)			
•	09/843,802	CHEN ET AL.			
Office Action Summary	Examiner	Art Unit			
	David H. Malzahn	2124			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. CD (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on	_·				
2a) ☐ This action is FINAL. 2b) ☒ This	action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.			
Disposition of Claims					
4) ☐ Claim(s) 1-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-24 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.				
Application Papers					
9)⊠ The specification is objected to by the Examine	r.				
10)⊠ The drawing(s) filed on <u>30 April 2001</u> is/are: a) accepted or b)⊠ objected to by the Examiner.					
Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	,	•			
Priority under 35 U.S.C. § 119	animon, rioto ino attaonoa omot	, , , , , , , , , , , , , , , , , , , ,			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori	s have been received. s have been received in Applicat ity documents have been receiv ı (PCT Rule 17.2(a)).	ion No ed in this National Stage			
Attachment(s)					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		ate Patent Application (PTO-152)			
2 2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-					

Application/Control Number: 09/843,802

Art Unit: 2124

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. Claims 1-24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 13, line 1; the equation is incomplete because the term p(x) fails to be present. In lines 4-5 the meaning of the phrase "expanding A into matrix form" is indefinite because A is already a matrix, i.e. a vector is a matrix, and the expanded A matrix fails to be clearly defined i.e. the respective elements of the expanded A matrix fail to be defined. Also in claim 13 note that in the "wherein" phrase of lines 6-7 & fails to be defined. Finally in claim 13 lines 5-6 are mis-descriptive because each of the elements in each column are not sequentially generated, i.e. are not the columns sequentially generated? Claims 1, 7 and 19 contain deficiencies similar to claim 13.

Allowable Subject Matter

Claims 1-24 would be allowable if rewritten to overcome the rejection(s) under 35
 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Specification

3. The first four lines of claim 8 are duplicative of the last four lines of page 7.

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Drawings

4. It appears that Figs. 6-9 should be labeled "Prior Art".

5. The specification numerically references particular elements of the drawings e.g. element 11 in lines 14-15 of page 11, but the elements in the drawings fail to be so numbered.

Conclusion

- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David H. Malzahn whose telephone number is (703) 305-9762. The examiner can normally be reached on M-Th from 7:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki, can be reached on 703 305 9662. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DAVID H. MALZAHN
PRIMARY EXAMINER